

IN THE CLAIMS:

Please rewrite claims 1-12 as shown below in the detailed listing of all claims which are, or were, in this application:

1. (Currently amended) A method for the preparation of an architectural silicone membrane by impregnation of an architectural textile with at least one silicone, comprising the following essential stages:

-Ii = positive integer-

application to an architectural textile of a liquid silicone composition which can be crosslinked into an elastomer, comprising

(a) at least one polyorganosiloxane (POS) having, per molecule, at least two alkenyl, preferably C₂-C₆, groups linked to the silicon;

(b) at least one polyorganosiloxane having, per molecule, at least three hydrogen atoms linked to the silicon;

(c) a catalytically effective quantity of at least one catalyst, preferably composed of at least one metal belonging to the platinum group;

(d) optionally, at least one adhesion promoter;

(e) optionally, a mineral filler;

(f) optionally, at least one crosslinking inhibitor;

(g) optionally, at least one polyorganosiloxane resin; and
(h) optionally, functional additives in order to impart specific properties;

- Iii = positive integer-

crosslinking of the silicone composition;

- III -

optionally at least one other operating sequence comprising stages $Ii \geq 2$ and $Iii \geq 2$ (i being a positive integer) corresponding to the same definition as that given above for stages Ii and Iii;

~~characterized in that~~ wherein

- stage $Ii=1$ is a stage of impregnation right to the core of the architectural textile using a liquid silicone composition

> having:

* a dynamic viscosity of between 1000 and 7000 mPa.s, at 25°C, and more preferably of between 2000 and 5000 mPa.s at 25°C before crosslinking,

* and, after complete crosslinking by curing in a fan oven for 30 minutes at 150°C, at least one of the following mechanical properties:

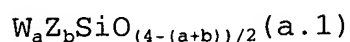
- a Shore A hardness of at least 2, preferably between 5 and 65,

- a tensile strength of at least 0.5 N.mm^{-1} , preferably of at least 0.1 N.mm^{-1} and more preferably of at least 2 N.mm^{-1} ,
- an elongation at break of at least 50%, preferably of at least 100% and more preferably of at least 200%,
- and furthermore being fluid and obtained without having recourse either to dilution or to dissolution or to emulsification,
- the architectural silicone membrane thus obtained having a capillary rise of less than 20 mm, preferably of less than 10 mm and more preferably still equal to 0, the capillary rise being measured according to a T test.

2. (Currently amended) The method ~~as claimed in~~ of claim 1, ~~characterized in that~~ wherein the impregnation stage comprises a padding.

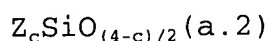
3. (Currently amended) The method ~~as claimed in either of claims 1 and 2, characterized in that it comprises~~ of claim 1, comprising at least one stage III, in which stage Ii \geq 2 for application of liquid silicone is a coating using a liquid silicone composition which can be crosslinked into an elastomer.

4. (Currently amended) The method ~~as claimed in any one of claims 1 to 3,~~ characterized in that of claim 1, wherein the polyorganosiloxane (a) chosen has units of formula:



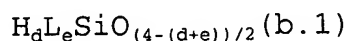
in which:

- W is an alkenyl group;
 - Z is a monovalent hydrocarbon group, which has no unfavorable effect on the activity of the catalyst and chosen from alkyl groups having from 1 to 8 carbon atoms inclusive, optionally substituted with at least one halogen atom, and from aryl groups;
 - a is 1 or 2, b is 0, 1 or 2 and a + b is between 1 and 3;
- and
- optionally, at least one portion of the other units are units of average formula:



in which W has the same meaning as above and c has a value between 0 and 3.

5. (Currently amended) The method ~~as claimed in any one of claims 1 to 4~~ of claim 1, according to which the polyorganosiloxane (b) contains siloxyl units of formula:

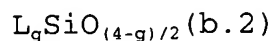


in which:

- L is a monovalent hydrocarbon group, which has no unfavorable effect on the activity of the catalyst and chosen from alkyl groups having from 1 to 8 carbon atoms inclusive, optionally substituted with at least one halogen atom, and from aryl groups;

- d is 1 or 2, e is 0, 1 or 2 and d + e has a value between 1 and 3;

- optionally, at least one portion of the other units being units of average formula:

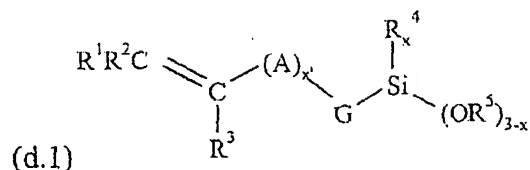


in which L has the same meaning as above and g has a value between 0 and 3.

6. (Currently amended) The method ~~as claimed in any one of claims 1 to 5, characterized in that~~ of claim 1, wherein the proportions of (a) and of (b) are such that the molar ratio of the hydrogen atoms linked to the silicon in (b) to the alkenyl radicals linked to the silicon in (a) is between 0.4 and 10.

7. (Currently amended) The method ~~as claimed in any one of claims 1 to 6~~ of claim 1, in which the adhesion promoter comprises:

(d.1) at least one alkoxyated organosilane satisfying the following general formula:



in which:

- R^1 , R^2 , R^3 are hydrogenated or hydrocarbon radicals, which are the same or differ from one another and represent hydrogen, a C_1 - C_4 linear branched alkyl or a phenyl optionally substituted with at least one C_1 - C_3 alkyl;

- A is a C_1 - C_4 linear or branched alkylene;

- G is a valency bond;

- R^4 and R^5 are radicals, which are identical or different and represent a linear or branched C_1 - C_4 alkyl;

- $x' = 0$ or 1 ; and

- $x = 0$ to 2 ,

said compound (d.1) being preferably vinyltrimethoxysilane (VTMS);

(d.2) at least one organosilicone compound comprising at least one epoxy radical, said compound (d.2) being preferably 3-glycidoxypropyltrimethoxysilane (GLYMO); and

(d.3) at least one metal M chelate and/or a metal alkoxide of general formula $\text{M}(\text{OJ})_n$, where n = valency of M and J = C_1 - C_8 linear

or branched alkyl, M being chosen from the group ~~formed by:~~
consisting of Ti, Zr, Ge, Li, Mn, Fe, Al and Mg,
said compound (d.3) preferably being *tert*-butyl titanate.

8. (Currently amended) The method ~~as claimed in any one of~~
~~claims 1 to 7~~ of claim 1, in which the adhesion promoter is present
in an amount of 0.1 to 10% by weight relative to all of the
constituents.

9. (Currently amended) An architectural silicone membrane ~~that~~
~~can be~~ obtained by the method ~~as claimed in any one of claims 1 to~~
~~8, characterized in that~~ of claim 1, wherein the architectural
textile is impregnated right to the core with crosslinked silicone
elastomer obtained ~~from a~~ from said liquid silicone composition ~~as~~
~~defined above in the context of the method claims 1 to 8.~~

10. (Currently amended) The architectural silicone membrane ~~as~~
~~claimed in~~ of claim 9, ~~characterized in that~~ wherein the coated
architectural fabric which is a constituent is formed by a fibrous
support chosen from the group of materials ~~comprising:~~ consisting
of glass, silica, metals, ceramic, silicon carbide, carbon, boron,
basalt, natural fibers, such as cotton, wool, hemp, flax;

artificial fibers, such as viscose or cellulose fibers; synthetic fibers, such as polyesters, polyamides, polyacrylics, "chlorofibres", polyolefins, synthetic rubbers, polyvinyl alcohol, aramides, "fluorofibres" and phenolics.

11. (Currently amended) The architectural silicone membrane ~~as claimed in claim 9 or 10, characterized by~~ of claim 9, having a capillary rise of less than 20 mm, preferably of less than 10 mm and more preferably still equal to 0, the capillary rise being measured according to a T test.

12. (Currently amended) The architectural membrane ~~as claimed in any one of claims 9 to 11, characterized in that~~ of claim 9, wherein it has a weight of less than 2000 g/m² and preferably of between 400 and 1500 g/m².